



U.S. Department of Energy
Energy Efficiency
and Renewable Energy



Capital District Clean Communities

Recent Accomplishments & Future Goals

Deb Stacey

Northeast / Mid-Atlantic Region
Clean Cities Coordinator Peer Exchange
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Coalition Status and Sustainability

- **Current Status**

- The coordinator for the Capital District Clean Communities coalition is a full-time employee for the Capital District Transportation Committee (CDTC) which is the Metropolitan Planning Organization (MPO) for the Albany, NY area.
- About 16.0 percent of the full-time position with the MPO is spent on coordinator duties.

- **Membership Structure/Strategies**

- The CDCC does not collect dues from coalition members.
- Members are recruited by word of mouth, contacts made by other coalition members, contacts made at local conferences, etc.
- Six new members were added as a result of the recent USDOE Clean Cities Stimulus Solicitation

- **Steps to Become Self-Sustaining**

- The MPO views the Clean Cities activities as important to the region. The goals of Clean Cities fit nicely with other activities that the MPO is involved in, especially the Transportation Demand Management activities. The MPO will continue to support the Clean Communities coalition activities.



Significant/Noteworthy Projects and Activities

- The region's transit authority, CDTA, has about 48 HEV buses in their fleet ; these buses are achieving a 25-30% increase in fuel economy. B5 is used in every bus. CDTA has just ordered 42 additional hybrid-electric transit buses which will bring their HEV fleet up to 90, about 40% of the entire fixed route fleet.
- The State of NY continues to replace their vehicle fleet with hybrids and flex-fuel vehicles. In 2008 approximately 125 Hybrid-Electric and 780 Flex Fuel vehicles were added to the NYS fleet and deployed in the Capital District. Ethanol usage by State vehicles located in the Capital District reached 48,000 gallons. Over 21,000 gallons of B5 was also consumed.
- John Ray Sons, a private fuel distributor offers bio-heat and bio-diesel at a retail fueling station located in the city of Troy. Approximately 400,000 gallons of bio-fuel was dispensed by this company in 2008.
- National Grid, the area's electric utility, switched to bio-diesel in 2008. Approximately 280 heavy-duty vehicles in the company's fleet use bio-diesel 263,500 gallons of bio-diesel were consumed in the Capital Region.



Significant/Noteworthy Projects and Activities

- Delta Airlines purchased 7 electric bag tractors and 2 electric belt loaders for \$300,000. NYPA provided \$193,000 for a “smart” charging station. About 31,000 gallons of diesel are conserved annually, resulting in a 396 ton reduction in greenhouse gas emissions.
- Sprague Energy started blending bio-diesel at the Port of Albany in March 2006. Sprague estimates that they dispensed 3.9 million gallons of B5 in 2008.
- Premiere Limo operates 12 Propane Limos which primarily provide shuttle service from Albany to JFK, LaGuardia and Newark Airports. Over 20,500 gge of Propane are used in these vehicles annually.
- Nine public ethanol pumps were opened at existing fueling stations at various locations throughout the region.
- The city of Oneonta used 103,380 gallons of B20 in 7 fire trucks, 2 ambulances, 16 transit buses, 14 light duty trucks and 15 heavy duty trucks, which is 81 percent of the city’s total diesel usage.
- The MPO financed a diesel retrofit program in 2008. 75 heavy duty diesel vehicles (7 off-road) will be retrofit as a result of this program. \$400,000 in CMAQ funds were used to fund the retrofits (\$100,000 match).



Significant/Noteworthy Projects and Activities

◆Transportation Demand Management (TDM)

✓TDM pilot programs (that have expired but had permanent results):

- Approximately 200 employees of NYSDEC and the Albany BID permanently switched their commute mode to transit.
- Approximately 138,000 VMT and 5,900 gallons of fuel are saved *monthly* because of these programs.



- Newly designed on-line program that allows area residents to advertise for free for a carpool
- GIS based
- Module to track usage and VMT/Fuel/Emissions Reductions
- About 60 people per year used old site; since iPool2 was launched, 880 (September 1st 2008 through end of May 2009) have registered.
- At an average one-way commute distance of nearly 22 miles per registrant, it is estimated that this program reduced VMT by approximately 270,000 miles and reduced fuel consumption by over 11,000 gallons since September 1st 2008.



Goals for 2009 & Beyond

- **Diesel Retrofit Program using CMAQ Funds**
 - Resolicit for Projects
 - \$1.5M programmed over 5 years
- **iPool2**
 - Continue to market the Employer Module
 - New Vanpool Demonstration project
 - \$224,000 grant from NYSERDA and NYSDOT
 - Up to 20 vanpools, \$500 per month discount per vanpool
- **Clean Communities Website**
 - Re-design website with MOU and Membership Form on-line
 - Multiple Page Design